ALUMINUM ELECTROLYTIC CAPACITORS

MUSE ES

Bi-Polarized, For Audio Equipment











- Suited for audio signal circuits.
- Adapted to the RoHS directive (2002/95/EC).

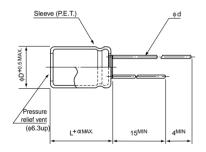




Specifications

Item	Performance Characteristics								
Category Temperature Range	-40 to +85°C								
Rated Voltage Range	6.3 to 50V								
Rated Capacitance Range	0.47 to 1000μF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	After 1 minute's a	pplication of rated	voltage, leakag	e current is no	t more tl	nan 0.03CV o	r 3 (μΑ), whichev	er is greater.	
	Measurement frequency: 120Hz, Temperature: 20°C								
Tangent of loss angle (tan δ)	Rated voltage (V)	6.3	10	16		25	35	50	
	tan δ (MAX.)	0.24	0.20	0.16		0.16	0.14	0.12	
	Measurement frequency : 120Hz								
	Rated voltage (V)		6.3	10	16	25	5 35	50	
Stability at Low Temperature	Impedance ratio	Z-25°C / Z+20°C	4	3	2	2	2	2	
	ZT / Z20 (MAX.)	Z-40°C / Z+20°C	8	6	4	4	4	4	
Endurance	The specifications listed at right shall be met when the Capacitance change Within ±20% of initial value								
	capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C with the polarity inverted every 250 hours.			tan δ		150% or less of initial specified value			
				Leakage current Less than or equal to the initial specified va					
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours, and after performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they will meet the specified value for endurance characteristics listed above.								
Marking	Printed with black color letter on clear green sleeve.								

■Radial Lead Type



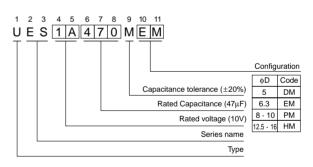
• Please refer to page 20 about the end seal



						(mm)
φD	5	6.3	8	10	12.5	16
Р	2.0	2.5	3.5	5.0	5.0	7.5
φd	0.6	0.6	0.6	0.6	0.8	0.8

 $\alpha = \frac{(\phi D < 10) \ 1.0}{(\phi D \ge 10) \ 1.5}$

Type numbering system (Example : 10V 47µF)



■ Dimensions

configulation.

φD×L (mm)

	V	6.3	10	16	25	35	50
Cap.(µF)	Code	0J	1A	1C	1E	1V	1H
0.47	R47						5×11
1	010						5×11
2.2	2R2						5×11
3.3	3R3						5×11
4.7	4R7				5×11	5×11	6.3×11
10	100			5×11	5×11	6.3×11	8×11.5
22	220		5×11	6.3×11	6.3×11	8×11.5	10×12.5
33	330	5×11	6.3×11	6.3×11	8×11.5	10×12.5	10×16
47	470	6.3×11	6.3×11	8×11.5	10×12.5	10×12.5	10×20
100	101	8×11.5	10×12.5	10×12.5	10×16	10×20	12.5×25
220	221	10×12.5	10×16	10×20	12.5×25	12.5×25	16×25
330	331	10×16	10×20	12.5×20	12.5×25	16×25	16×31.5
470	471	10×20	12.5×20	12.5×25	16×25	16×25	
1000	102	12.5×25	16×25	16×25	16×31.5		